

Dr. Duke's Phytochemical and Ethnobotanical Databases

List of Plants for SAPONIN

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Acacia nilotica</i>	Plant				--
<i>Acorus calamus</i>	Plant				Pakistan Encyclopedia Planta Medica. 1986.
<i>Aesculus hippocastanum</i>	Seed	55000.0	260000.0	1.6716596237594439	--
<i>Agave americana</i>	Plant				--
<i>Ailanthus altissima</i>	Bark				--
<i>Akebia quinata</i>	Plant				--
<i>Albizia julibrissin</i>	Bark				--
<i>Aletris farinosa</i>	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Aleurites fordii</i>	Seed				--
<i>Allium schoenoprasum</i>	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Allium sativum</i> var. <i>sativum</i>	Bulb				--
<i>Allium cepa</i>	Bulb				--
<i>Anemone pulsatilla</i>	Root	1900.0	7500.0	-0.6473789120098001	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Arisaema consanguineum</i>	Rhizome				--
<i>Asparagus lucidus</i>	Root				--
<i>Balanites aegyptiacus</i>	Fruit		70000.0	1.0	--
<i>Banisteriopsis caapi</i>	Bark		6600.0		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Calendula officinalis</i>	Flower				--
<i>Capparis spinosa</i>	Plant				--
<i>Castanospermum australe</i>	Wood				Watt, J.M. and Breyer-Brandwijk, M.G. 1962. The Medicinal and Poisonous Plants of Southern and Eastern Africa. E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Castanospermum australe</i>	Seed		72300.0	-0.13213750978265223	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Castanospermum australe</i>	Leaf				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Caulophyllum thalictroides</i>	Root		1000.0	-1.08456986557486	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Centella asiatica</i>	Plant	11000.0	80000.0	1.6640036208230826	--
<i>Ceratonia siliqua</i>	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Chrysophyllum cainito</i>	Seed		1900.0	-0.8086815598698317	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
<i>Cissampelos pareira</i>	Root				--
<i>Coix lacryma-jobi</i>	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Colocasia esculenta</i>	Root				--
<i>Colubrina arborescens</i>	Bark				Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
<i>Corchorus olitorius</i>	Plant				--
<i>Cymbopogon citratus</i>	Plant				Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
<i>Dianthus caryophyllus</i>	Flower				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Dictamnus albus</i>	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Dioscorea bulbifera</i>	Tuber		57000.0		--
<i>Dodonaea viscosa</i>	Seed				--
<i>Elytrigia repens</i>	Rhizome				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Eryngium foetidum</i>	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Glechoma hederacea</i>	Plant				Jim Duke's personal files.
<i>Guaiacum sp.</i>	Wood				--
<i>Hibiscus sabdariffa</i>	Root				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Hyacinthus orientalis</i>	Twig				--
<i>Hyacinthus orientalis</i>	Seed				--
<i>Hydrangea arborescens</i>	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Hypericum perforatum</i>	Seed				Watt, J.M. and Breyer-Brandwijk, M.G. 1962. The Medicinal and Poisonous Plants of Southern and Eastern Africa. E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.
<i>Lagenaria siceraria</i>	Seed				--
<i>Leonurus cardiaca</i>	Plant				--
<i>Lonicera japonica</i>	Plant				--
<i>Manilkara zapota</i>	Seed		10000.0	-0.7308405541069601	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
<i>Medicago sativa</i>	Plant	5000.0	20000.0	-0.456646703080591	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Melia azedarach</i>	Bark				--
<i>Menyanthes trifoliata</i>	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Ocimum basilicum</i>	Plant		50000.0	0.6036784588712457	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Origanum majorana</i>	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Panax quinquefolius</i>	Plant	7500.0	10000.0	-0.8100884237312033	--
<i>Paullinia cupana</i>	Seed				--
<i>Phragmites australis</i>	Shoot				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Polygala tenuifolia</i>	Root		40000.0	1.5385758558154992	--
<i>Portulaca oleracea</i>	Plant				--
<i>Rosa laevigata</i>	Fruit				--
<i>Rosa centifolia</i>	Leaf		85000.0	0.7071067811865476	--
<i>Rosa centifolia</i>	Flower		13000.0		--
<i>Rosa gallica</i>	Leaf		85000.0	0.7071067811865476	--
<i>Rosa gallica</i>	Flower		13000.0		--
<i>Ruscus aculeatus</i>	Plant	4000.0	4600.0	-1.0009469528825339	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
<i>Salvia officinalis</i>	Plant				--
<i>Sida rhombifolia</i>	Leaf				--
<i>Smilax spp</i>	Root	5000.0	20000.0	0.19337292176916132	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Solanum nigrum</i>	Plant				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Taraxacum officinale</i>	Plant				--
<i>Terminalia bellirica</i>	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Teucrium marum</i>	Plant				--
<i>Teucrium scordium</i>	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Teucrium chamaedrys</i>	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Teucrium montanum</i>	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Tilia</i> sp.	Flower				--
<i>Trigonella foenum-graecum</i>	Plant				--
<i>Trigonella foenum-graecum</i>	Fruit	1900.0	5700.0	-1.0	Singh, J., Gupta, K., and Arora, S.K. 1993. Changes in the anti-nutritional factors of developing seeds and pod walls of fenugreek (<i>Trigonella foenum graecum</i> L.). Plant Foods for Human Nutrition. 46: 77-84, 1994.
<i>Vinca minor</i>	Plant				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Viola tricolor</i>	Plant				--
<i>Yucca schidigera</i>	Plant				Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
<i>Zea mays</i>	Silk Stigma Style	23000.0	32000.0		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
<i>Zizyphus jujuba</i>	Leaf		2500.0	-1.4142135623730954	--